

## AGENDA Day 1 - Tuesday, March 27, 2018

TIME	SPEAKER	TITLE
8:30-8:45	Kevin Werner	Welcome
SESSION 1: ANTHROPOGENIC INFLUENCES		
8:45-9:00	James Cameron	Vanishingly low exposures to crude oil impact the development of a key forage fish species, Pacific herring ( <i>Clupea pallasii</i> )
9:00-9:15	Blake Feist	Roads to ruin: The threats of urbanization to conservation of a sentinel species
9:15-9:30	Aimee Fullerton	Pacific salmon in hot water: Past, present, and future of thermal diversity in rivers
9:30-9:45	Thomas Good	The fragmented fjord: Effects of large- and small-scale habitat modification on aquatic bird communities in Puget Sound
9:45-10:00	Louisa Harding	Urban runoff and the integrity of Puget Sound food webs: Impacts to Pacific herring ( <i>Clupea pallasii</i> ) early life stages
10:00-10:15	Megan Moore	Use of acoustic telemetry to assess impacts of the Hood Canal Bridge on migrating steelhead smolts
10:15-10:30	Dawn Noren	Assessing persistent organic pollutant (POP) transfer from female killer whales ( <i>Orcinus orca</i> ) to calves during gestation and lactation
10:30-11:00	Everyone	BREAK/POSTERS
SESSION 2: LITTLE CRITTERS IN A BIG OCEAN		
11:00-11:15	Jeannette Zamon	Ocean avian predation on Columbia River salmon populations: What we know, what we don't know, and next steps to improve our knowledge
11:15-11:30	Nicolaus Adams	Temporal and spatial distribution of <i>Azadinium</i> spp. in the Salish Sea
11:30-11:45	Kim Parsons	Water, water everywhere: Can eDNA from seawater provide insight into population genetic structure of small cetaceans?
11:45-12:00	Vera Trainer	<i>Pseudo-nitzschia</i> early warning bulletin increases shellfish harvest opportunities in the Pacific Northwest
12:00-12:08	Kate Richerson	Reconstructing the historical abundance of west coast Dungeness crab
12:08-12:16	Jesse Lamb	Monitoring the migrations of wild Snake River spring/summer Chinook salmon juveniles
12:16-12:24	Shelly Trigg	Uncovering mechanisms of ocean change effects on Dungeness crab through metabolomics analysis
12:24-12:32	Paul McElhany	The effect of pH, dissolved oxygen, and temperature on larval and juvenile Dungeness crab
12:32-2:00	Everyone	LUNCH W/ FOOD TRUCKS
SESSION 3: PHYSICAL HABITAT AND NEW TECHNOLOGIES		
2:00-2:15	Michael Pollock	Do juvenile coho salmon and steelhead trout prefer to jump over or swim around beaver dams? The results may surprise you
2:15-2:30	Morgan Bond	Juvenile salmon rearing capacity of the Columbia River basin: A geomorphic approach to estimating large-scale habitat availability and floodplain restoration opportunities
2:30-2:45	Oleksandr Stefankiv	Puget Sound Habitat Status and Trends Monitoring Program: Nearshore and delta geospatial data and habitat status and trends monitoring metrics
2:45-3:00	John Colt	Impact of fish feeds, fish oils, and amino acids on the performance of airlift pumps
3:00-3:08	Candice Emmons	Quantifying variation in killer whale ( <i>Orcinus orca</i> ) morphology using elliptical Fourier analysis
3:08-3:16	Joseph Smith	Characterizing the ocean distribution of ESA-listed salmonids with pop-up satellite tags: Implications for Southern Resident killer whale conservation
3:16-3:24	Matt Nesbit	Estuary to Bonneville survival of radio-tagged adult spring/summer Chinook salmon in 2016 and 2017
3:24-3:32	Kayleigh Somers	Catch shares management: Implications for species without quotas
3:32-5:30	Everyone	POSTER SESSION

## AGENDA Day 2 - Wednesday, March 28, 2018

TIME	SPEAKER	TITLE
8:30-8:35	Mark Strom	Intro
SESSION 4: FISHERIES MANAGEMENT & MONITORING		
8:35-8:50	Chris Harvey	The EBFM Road Map, the IEA, and transformational ideas: Where do we all fit in?
8:50-9:05	James Faulkner	Associations between fish length, dam passage history, and adult return for Snake River yearling Chinook and steelhead
9:05-9:20	Marie Guldin	Shore-based processor outcomes under catch shares
9:20-9:35	Kristin Marshall	Management strategy evaluation for ecosystem-based fisheries management: Climate, food webs, and people
9:35-9:50	Elizabeth Phillips	Estimating predation risk of juvenile salmon near the Columbia River plume
9:50-10:05	Correigh Greene	Density-dependent and landscape effects upon estuary rearing in Chinook salmon: Insights from long-term monitoring in four Puget Sound estuaries
10:05-10:13	Kathleen Neely	Analysis of a multi-generational pedigree for Wenatchee River Chinook salmon: A work in progress
10:13-10:21	Stephanie Moore	Sociocultural and economic impacts of harmful algal blooms in coastal communities
10:21-10:29	Dan Holland	What you didn't know about west coast commercial fishers
10:29-10:37	Stacey Miller	Upward bound: Rebuilding west coast groundfish stocks
10:37-11:00	Everyone	BREAK/POSTERS
SESSION 5: OTHER FISH IN THE SEA - RESEARCH ON NON-SALMONID SPECIES		
11:00-11:15	Robin Waples	Close-kin methods to estimate census size and effective population size
11:15-11:30	Frank Sommers	Use of electrophysiological and behavioral techniques in evaluating effect of taurine-deficient diet on olfactory function in salbefish ( <i>Anoplopoma fimbria</i> )
11:30-11:45	Eli Holmes	Use of remote-sensing data to understand and forecast catch variability of the Indian oil sardine ( <i>Sardinella longiceps</i> )
11:45-12:00	Gary Longo	Genetic population structure of lingcod ( <i>Ophiodon elongatus</i> )
12:00-12:15	Nathaniel Scholz	A role for critical lipids in the impacts of oil spills on population recruitment in high-latitude fish species
12:15-12:30	Nick Tolimieri	Oceanographic drivers of sablefish recruitment in the California Current
12:30-1:30	Everyone	LUNCH - TAKE DOWN POSTERS
SESSION 6: ABIOTIC HABITAT STRESSORS		
1:30-1:45	Brian Beckman	Blobbed! Using salmon growth to diagnose disruption in the Northern California Current ecosystem, 2000-17
1:45-2:00	Mackenzie Gavery	Investigating the effects of early-rearing environment on DNA methylation programming in hatchery-reared steelhead ( <i>Oncorhynchus mykiss</i> )
2:00-2:15	Andrew Dittman	Elevated CO <sub>2</sub> disrupts salmon olfactory function and behavior
2:15-2:30	Stuart Munsch	Low regional mountain snowpack and warm air reduce seasonal residence of juvenile anadromous fish in mainstem and estuary habitats
2:30-2:45	Marla Holt	Using DTAGs to understand sound use, behavior, and vessel and associated noise effects in Southern Resident killer whales
2:45-3:15	Everyone	BREAK
SESSION 7: MODELING & RISK ASSESSMENT		
3:15-3:23	Melissa Krigbaum	How do gear, participation, and dealer selection decisions relate to value? A price analysis of the U.S. West Coast sablefish
3:23-3:31	Todd Hay	Oceanographic data QA/QC processing
3:31-3:39	Jameal Samhour	Co-development of an ecosystem-based risk assessment for California fisheries by scientists, stakeholders, and managers
3:39-3:54	Melissa Head	Evaluating spatiotemporal reproductive variability in Pacific hake ( <i>Merluccius productus</i> ) using a flexible asymptotic model to estimate functional maturity
3:54-4:09	Eric Ward	Sure, South Lake Union has ruined Seattle — but can tech bros teach us anything about building better models for fish?



NWFSC POSTER TITLES

Tuesday, March 27, 2018 | 3:32-5:30pm

#	PRESENTER	DIVISION	TITLE
P-1	Lisa Armbruster	EFS	Regulation of muscle growth in sablefish ( <i>Anoplopoma fimbria</i> ) during grow out
P-2	David Baldwin	EFS	Assessing the impacts of toxic mixtures over a broad geographic scale: Challenges and first steps
P-3	Katie Barnas	CB	Where are the walleye? Tracking non-native walleye in the Lake Washington watershed using environmental DNA
P-4	Keith Bosley	FRAM	Relating groundfish diversity and biomass to structure-forming invertebrates in the northeastern Pacific Ocean: An exploration of catch data from a fishery-independent trawl survey
P-5	Aaron Chappell	FRAM	Fine-scale benthic habitat classification using a towed video camera-sled
P-6	Peter Frey	FRAM	Extreme hypoxia impacts catches on the 2017 West Coast Groundfish Bottom Trawl Survey
P-7	Vladlena Gertseva	FRAM	Spatial growth variability in marine fish: Example from northeast Pacific groundfish
P-8	Deborah Harstad	EFS	Variation in minijack rates among interior Columbia River basin Chinook salmon hatchery stocks: A common garden experiment
P-9	Edward Hayman	EFS	Triploidy induction as a potential method for reproductive sterilization of sablefish ( <i>Anoplopoma fimbria</i> )
P-10	Thao Huynh	EFS	Effects of high temperature on early reproductive development of sablefish ( <i>Anoplopoma fimbria</i> )
P-11	Ronit Jain	EFS	Toxicity of pharmaceutical drugs to embryonic zebrafish
P-12	Anna Kagley Kinsey Frick	FE	Spatial and temporal variability of nearshore forage fish in the Strait of Juan de Fuca
P-13	Aimee Keller	FRAM	Variation in size and catch of demersal fish species within the Southern California Bight in relation to the Cowcod Conservation Areas (2014-16)
P-14	Cathy Laetz	EFS	Indicators of pesticide exposure in outmigrating juvenile Chinook salmon throughout Puget Sound
P-15	Jessica Lundin	EFS	Overview of research on acute aquatic toxicity from urban stormwater runoff: Collaborations of the Puget Sound Stormwater Science Team
P-16	Mary Moser	FE	Novel fishway entrance modifications to improve passage for native fish
P-17	Linda Rhodes	EFS	Emergent fungal infections in Pacific Northwest marine mammals
P-18	Benjamin Sandford	FE	Interacting effects of translocation and warmer temperatures on the population dynamics of Snake River sockeye salmon
P-19	Victor Simon	FRAM	Developing a wireless automated data-collection platform for sampling groundfish in untrawlable habitats
P-20	Frank Sommers	EFS	A method to measure behavioral response to an olfactory stimulus
P-21	Dina Spangenberg	EFS	How science can help hatchery managers make more informed decisions: The story of the Hood River
P-22	Julann Spromberg	EFS	Modeling potential population-level impacts of oil spills on Pacific herring stocks in Puget Sound
P-23	Andi Stephens	FRAM	Reevaluating a failed stock assessment with alternate assessment methods
P-24	Vanessa Tuttle	FRAM	Everything the same is different: Bycatch trends in the at-sea Pacific hake fishery